

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121820\
 Data File : VU041673.D
 Acq On : 18 Dec 2020 12:39
 Operator : SY/MD
 Sample : L5143-02MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZB2MS

Quant Time: Dec 19 04:13:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 19 04:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	121525	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	108773	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	49747	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	34690	3.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.00%
7) Chloroethane-d5	1.92	69	32247	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.60%
11) 1,1-Dichloroethene-d2	2.58	63	70494	4.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.60%
20) 2-Butanone-d5	4.66	46	140226	51.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.76%
24) Chloroform-d	5.08	84	70281	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	5.72	65	43460	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.74	84	149537	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.70	67	49384	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.90	98	132178	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	8.19	79	21462	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.64	63	131499	54.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.56%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	45556	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	45377	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	981	0.098 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	498	0.060 ug/L #	22
12) 1,1-Dichloroethene	2.59	96	35524	4.309 ug/L	95
25) Chloroform	5.10	83	1500	0.093 ug/L	83
27) 1,2-Dichloroethane	5.79	62	1623	0.149 ug/L #	73
33) Benzene	5.79	78	169975	4.886 ug/L	100
34) Trichloroethene	6.55	95	45413	5.195 ug/L	98
35) Methylcyclohexane	6.70	83	11092	0.785 ug/L #	18
37) 1,2-Dichloropropane	6.70	63	5238	0.589 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1058	0.080 ug/L #	40
42) Toluene	7.97	91	181799	5.062 ug/L	99
44) trans-1,3-Dichloropropene	8.18	75	649	0.055 ug/L #	15
48) 2-Hexanone	8.64	43	12968	2.814 ug/L #	64
51) Chlorobenzene	9.45	112	114266	5.118 ug/L	96
59) 1,2,3-Trichloropropane	11.81	75	5473	0.819 ug/L #	42

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Dec 19 04:12:21 2020
Response via : Initial Calibration

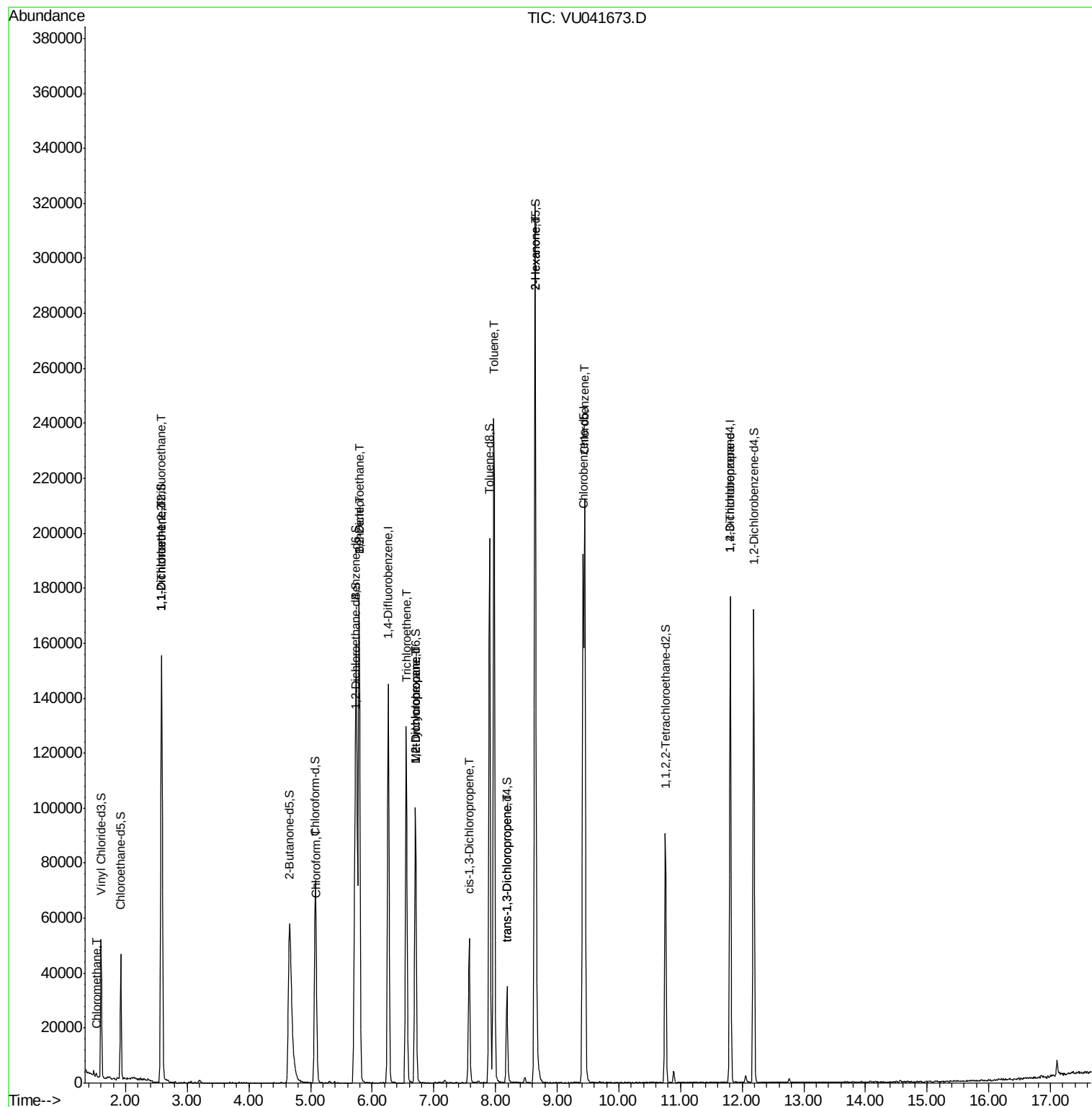
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

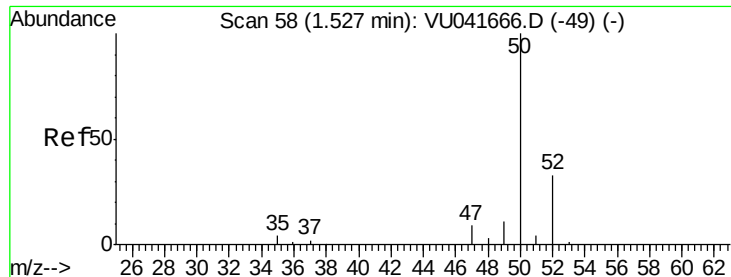
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#3

Chloromethane

Concen: 0.098 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041673.D

Acq: 18 Dec 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

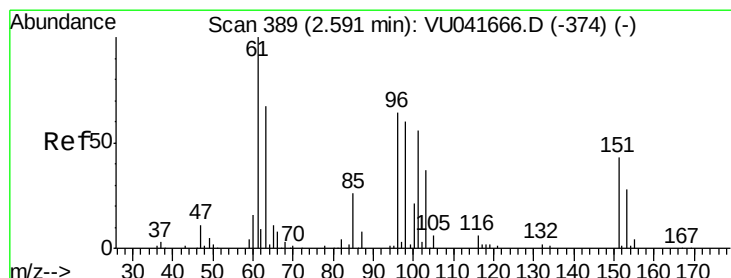
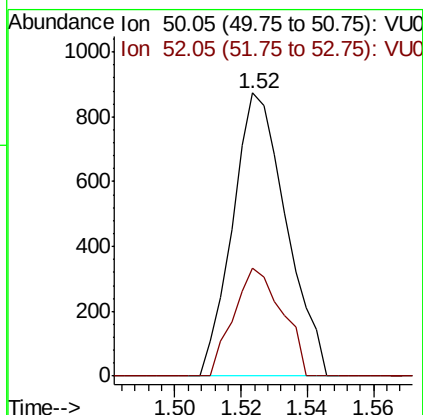
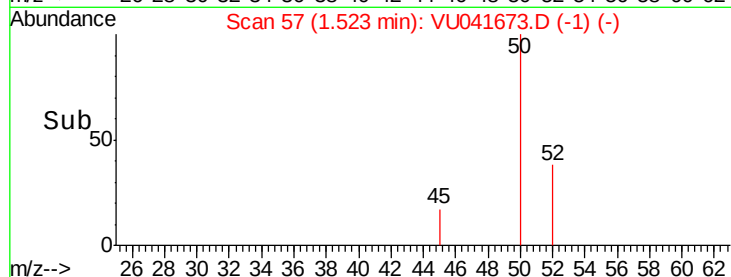
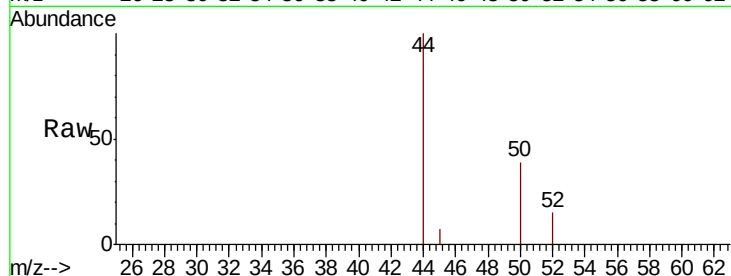
ETZB2MS

Tot Ion: 50 Resp: 981

Ion Ratio Lower Upper

50 100

52 38.0 24.1 44.8



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.060 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU041673.D

Acq: 18 Dec 2020 12:39

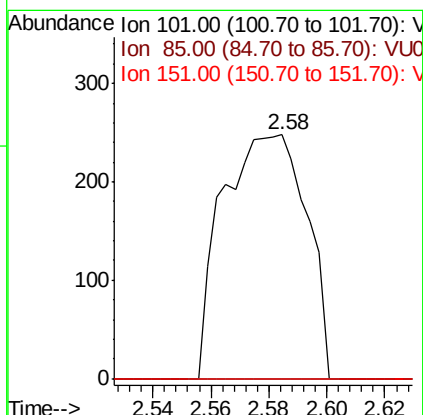
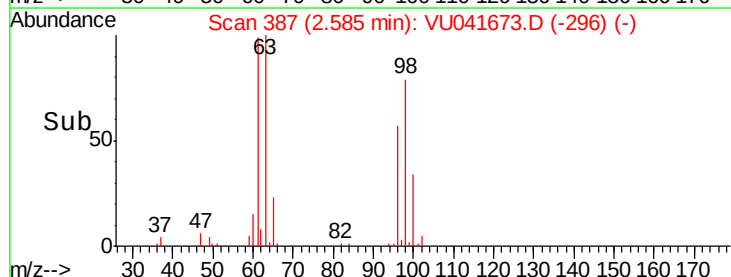
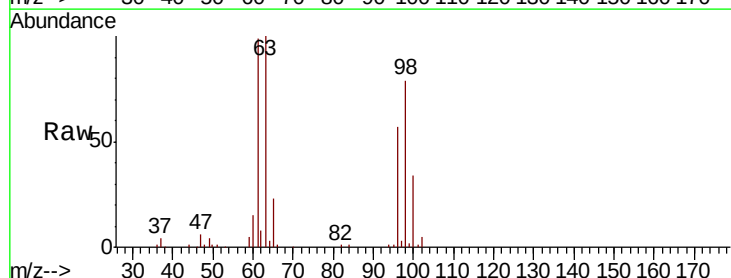
Tgt Ion: 101 Resp: 498

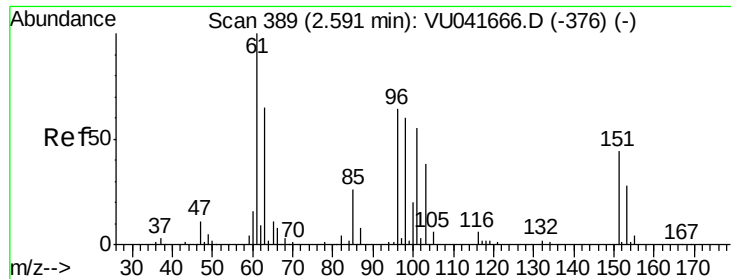
Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#

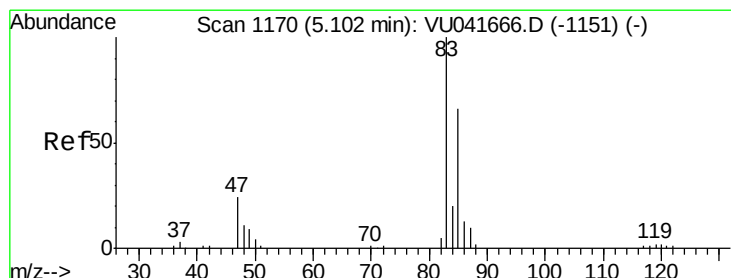
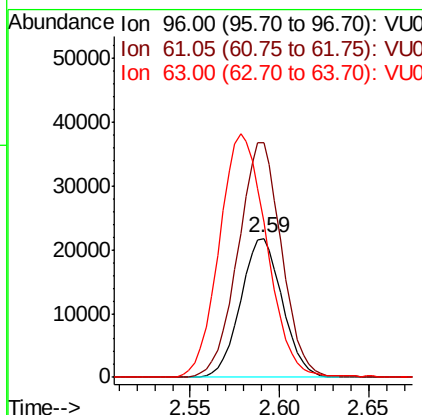
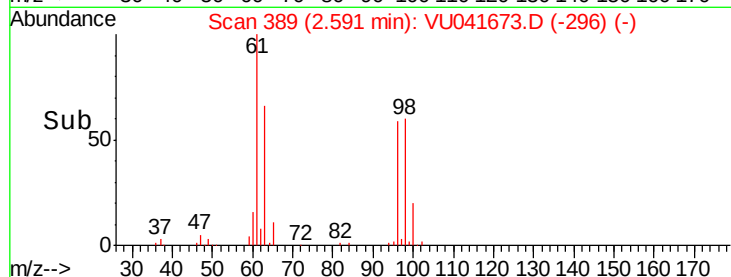
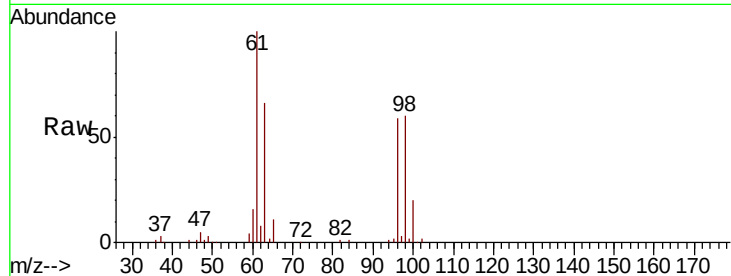




#12
 1,1-Dichloroethene
 Concen: 4.309 ug/L
 RT: 2.59 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VU041673.D
 Acq: 18 Dec 2020 12:39

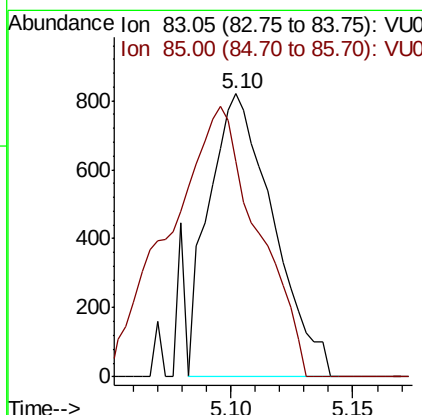
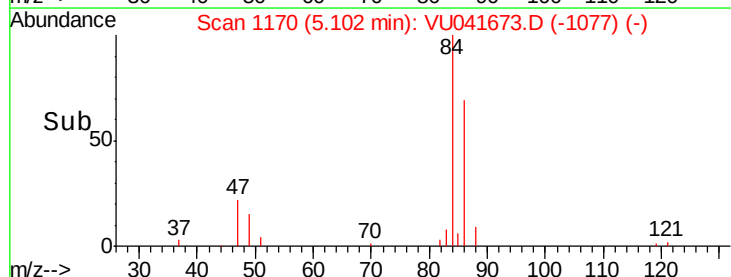
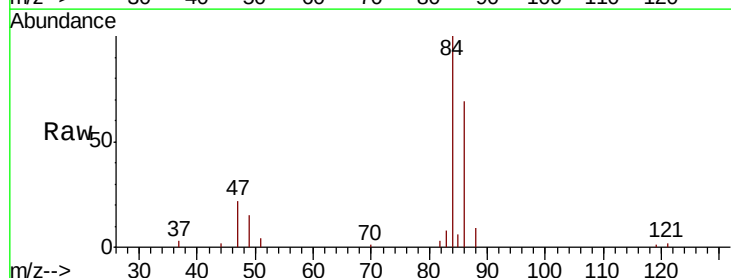
Instrument :
 MSVOA_U
 ClientSampleId :
 ETZB2MS

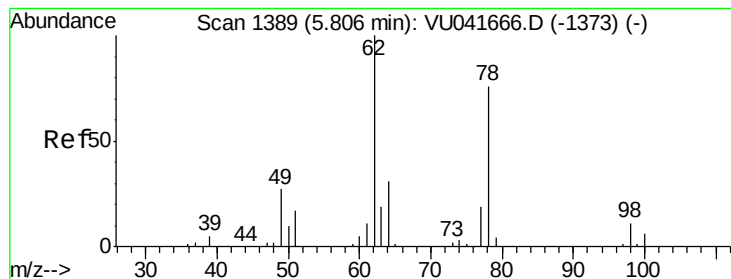
Tot Ion: 96 Resp: 35524
 Ion Ratio Lower Upper
 96 100
 61 168.8 123.8 230.0
 63 111.4 81.0 150.4



#25
 Chloroform
 Concen: 0.093 ug/L
 RT: 5.10 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VU041673.D
 Acq: 18 Dec 2020 12:39

Tgt Ion: 83 Resp: 1500
 Ion Ratio Lower Upper
 83 100
 85 76.0 44.2 82.0





#27

1,2-Dichloroethane

Concen: 0.149 ug/L

RT: 5.79 min Scan# 1383

Delta R.T. -0.02 min

Lab File: VU041673.D

Acq: 18 Dec 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

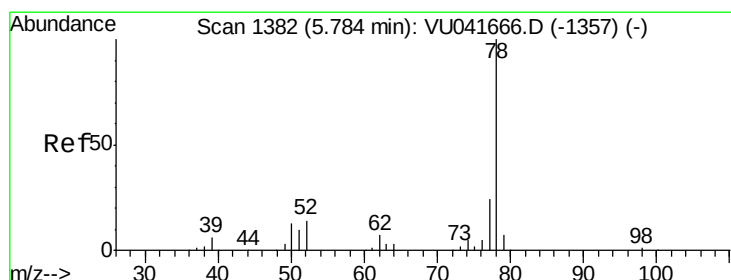
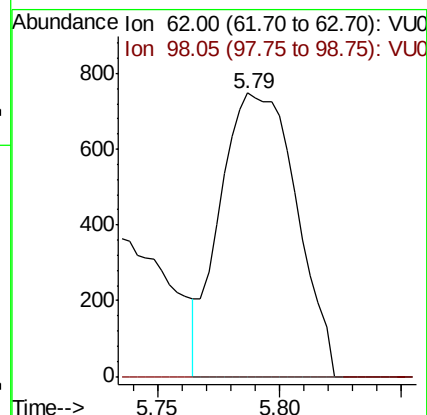
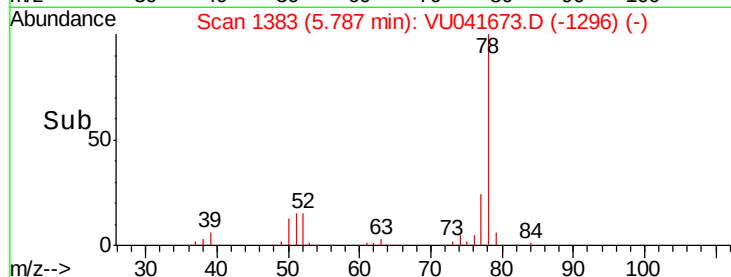
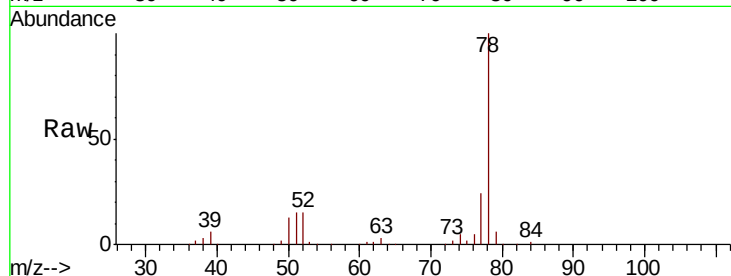
ETZB2MS

Tot Ion: 62 Resp: 1623

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.2#



#33

Benzene

Concen: 4.886 ug/L

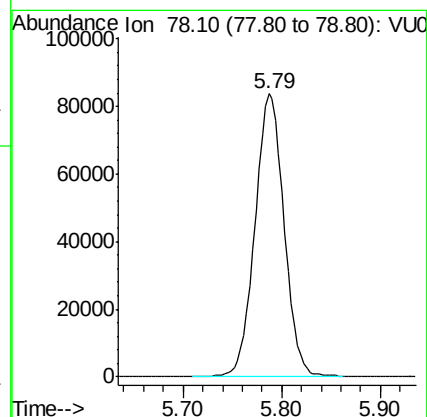
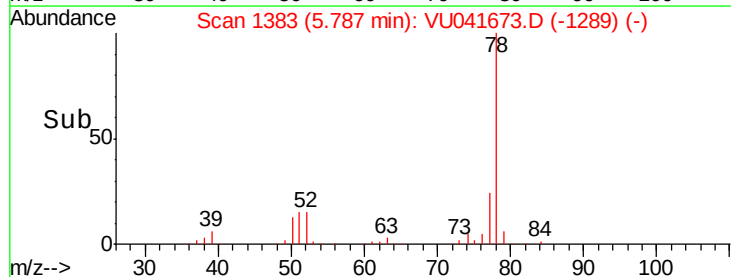
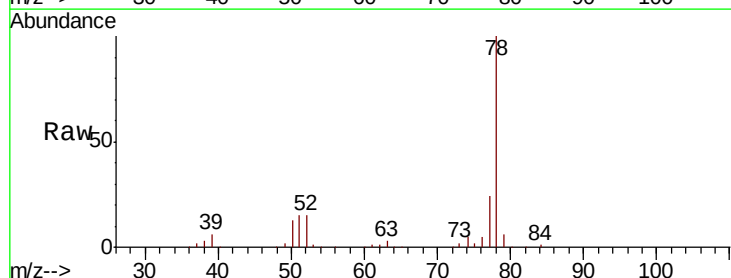
RT: 5.79 min Scan# 1383

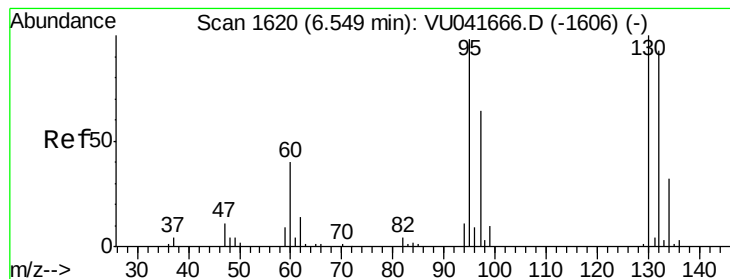
Delta R.T. 0.00 min

Lab File: VU041673.D

Acq: 18 Dec 2020 12:39

Tgt Ion: 78 Resp: 169975





#34

Trichloroethene

Concen: 5.195 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041673.D

Acq: 18 Dec 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

ETZB2MS

Tot Ion: 95 Resp: 45413

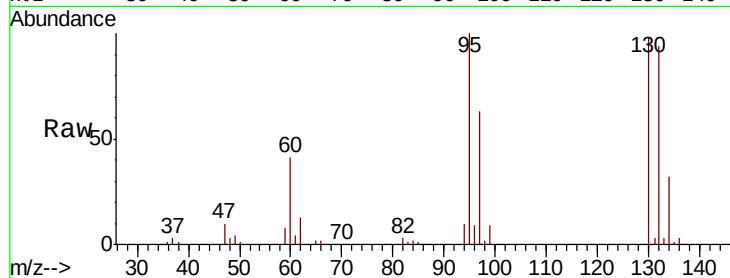
Ion Ratio Lower Upper

95 100

97 63.2 43.9 81.5

132 93.6 63.1 117.3

130 98.2 67.4 125.2

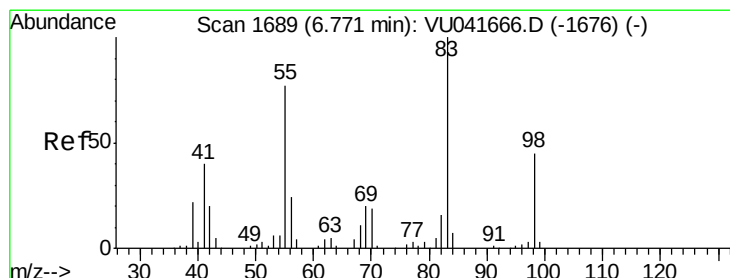
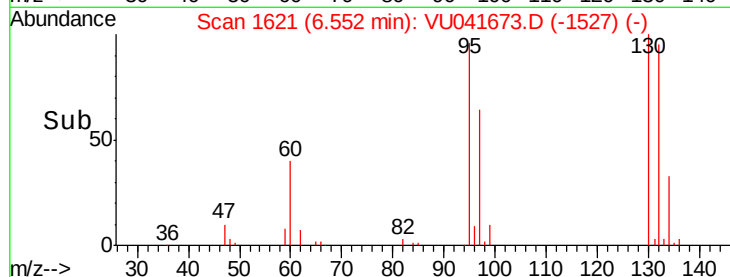
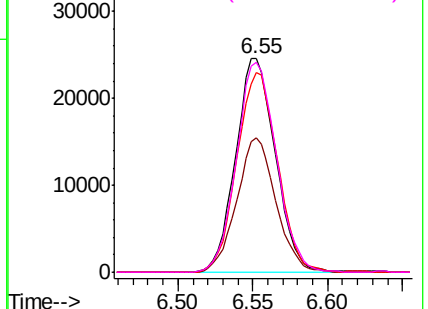


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.785 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041673.D

Acq: 18 Dec 2020 12:39

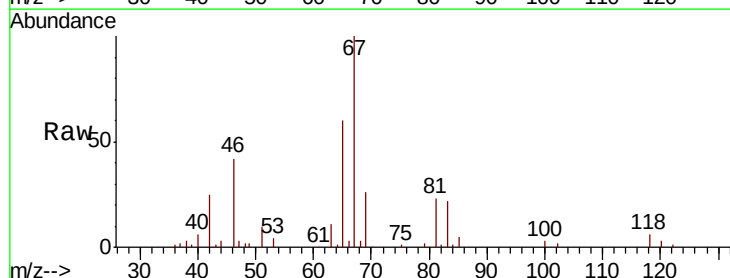
Tgt Ion: 83 Resp: 11092

Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

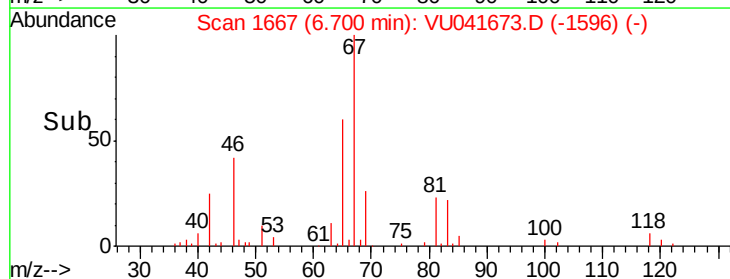
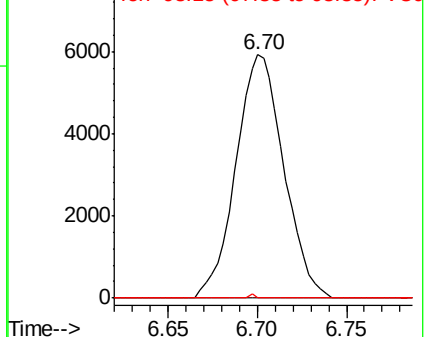
98 0.0 36.6 54.8#

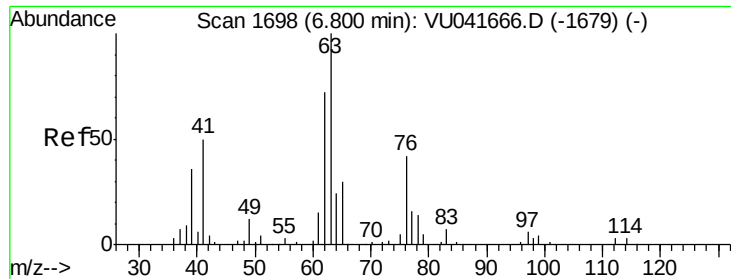


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

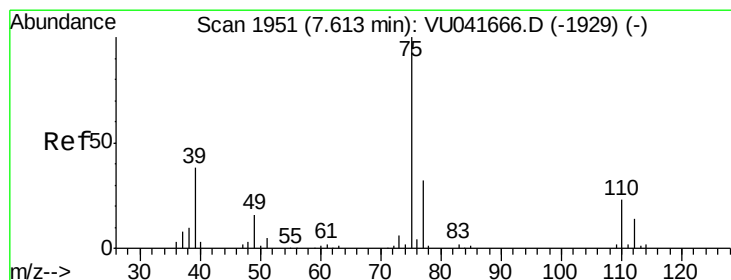
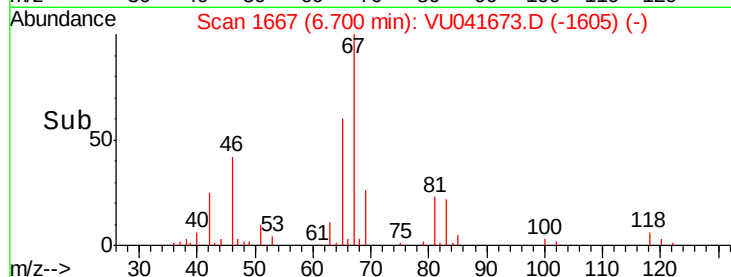
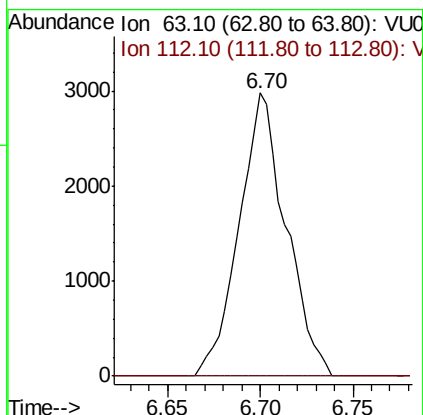
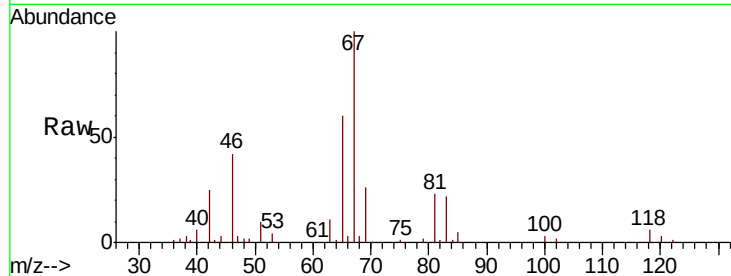




#37
 1,2-Dichloropropane
 Concen: 0.589 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041673.D
 Acq: 18 Dec 2020 12:39

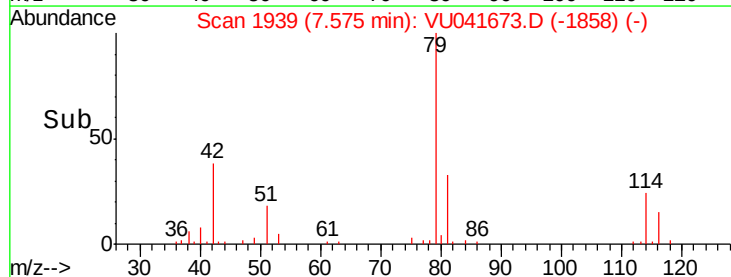
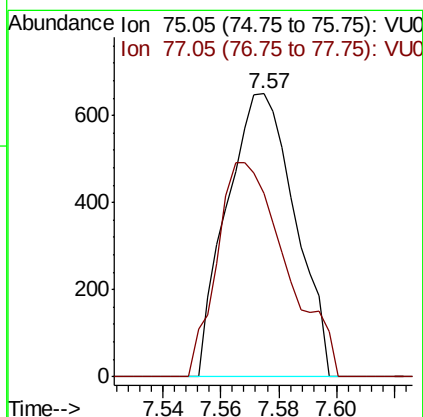
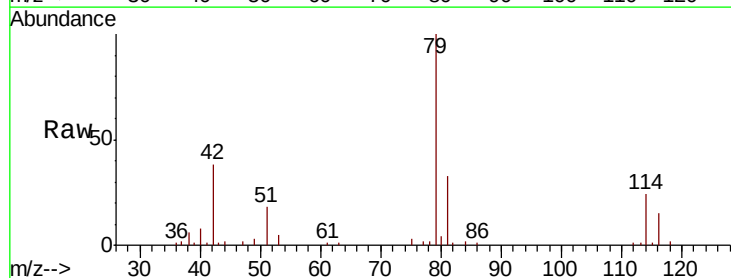
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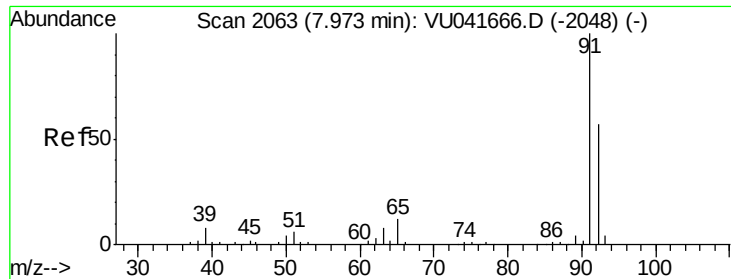
Tot Ion: 63 Resp: 5238
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.080 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041673.D
 Acq: 18 Dec 2020 12:39

Tgt Ion: 75 Resp: 1058
 Ion Ratio Lower Upper
 75 100
 77 64.9 22.3 41.3#





#42

Toluene

Concen: 5.062 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041673.D

Acq: 18 Dec 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

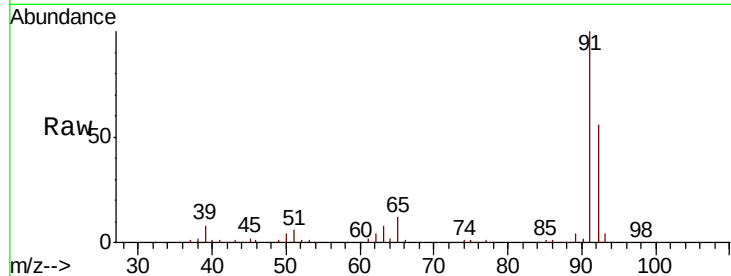
ETZB2MS

Tot Ion: 91 Resp: 181799

Ion Ratio Lower Upper

91 100

92 56.1 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU041666.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU041666.D (-2048) (-)

7.97

120000

100000

80000

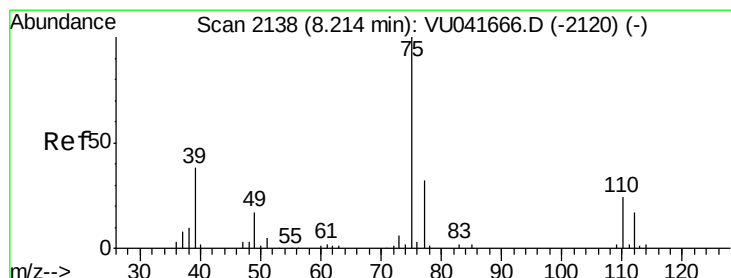
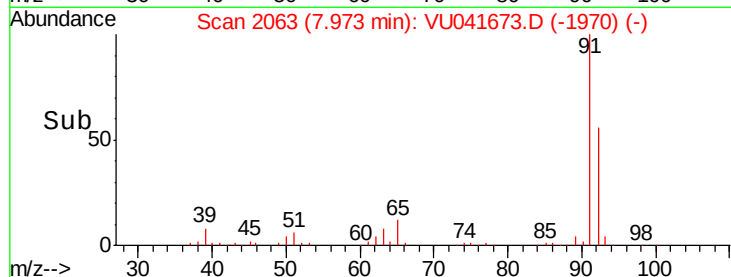
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.055 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041673.D

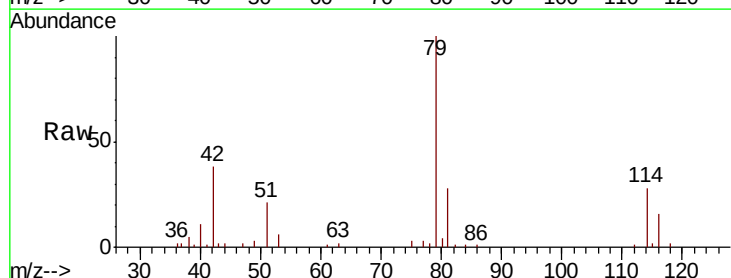
Acq: 18 Dec 2020 12:39

Tgt Ion: 75 Resp: 649

Ion Ratio Lower Upper

75 100

77 82.9 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU041666.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU041666.D (-2120) (-)

8.18

400

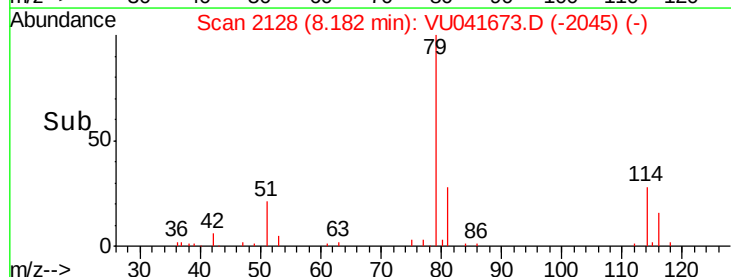
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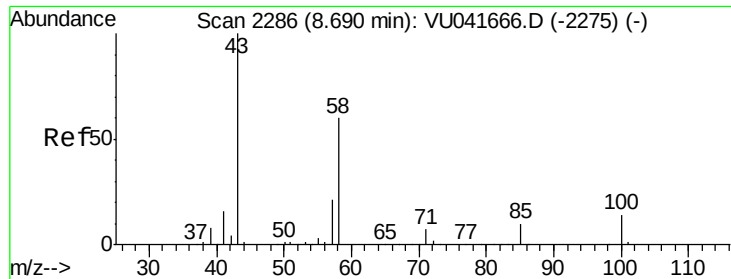
200

100

0

Time-->

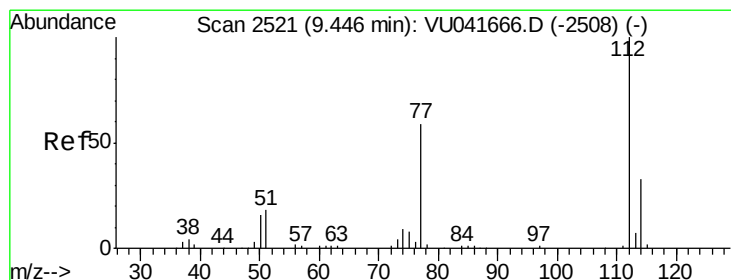
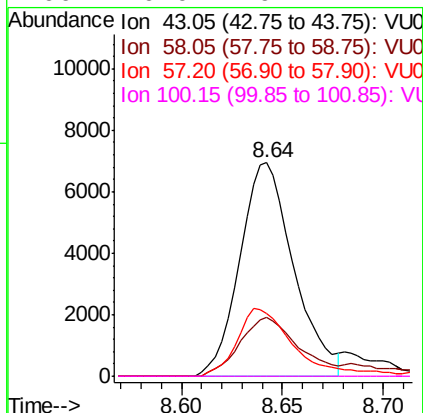
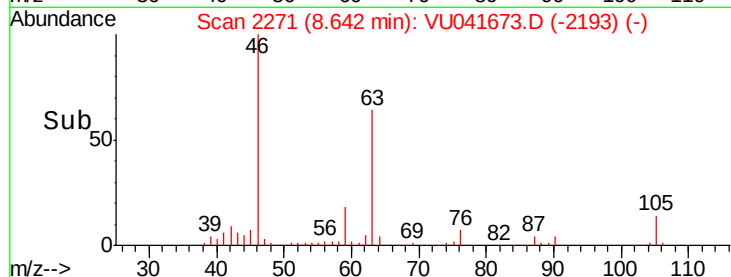
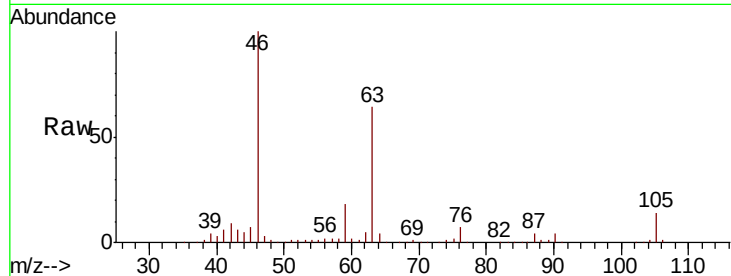




#48
2-Hexanone
Concen: 2.814 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041673.D
Acq: 18 Dec 2020 12:39

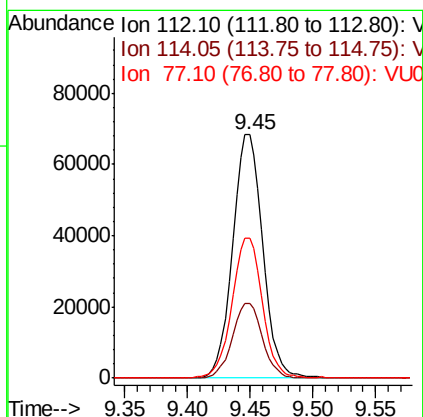
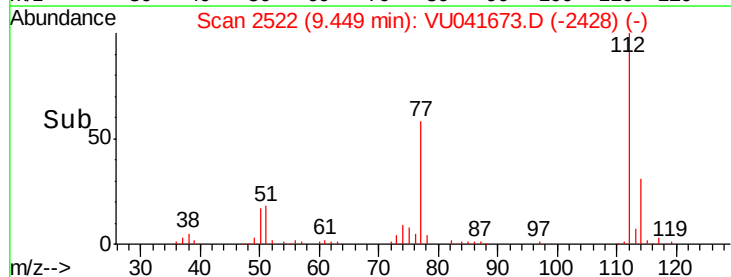
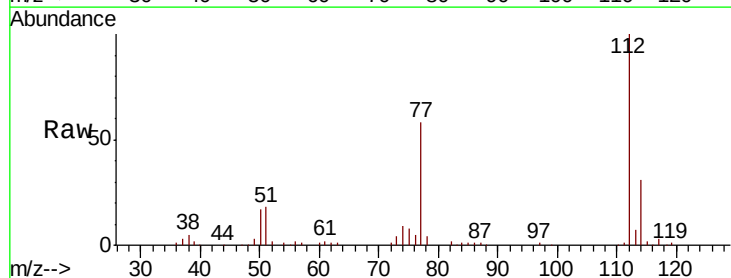
Instrument :
MSVOA_U
ClientSampleId :
ETZB2MS

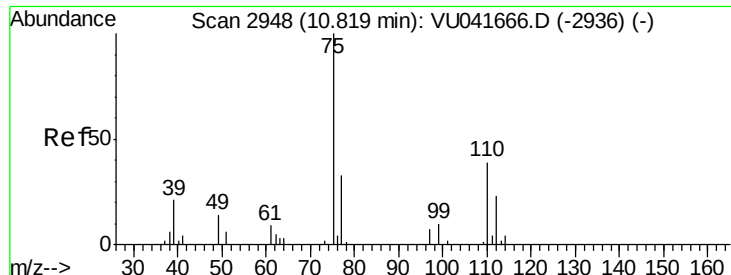
Tot Ion: 43 Resp: 12968
Ion Ratio Lower Upper
43 100
58 30.1 47.9 71.9#
57 33.6 16.5 24.7#
100 0.0 9.4 14.2#



#51
Chlorobenzene
Concen: 5.118 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041673.D
Acq: 18 Dec 2020 12:39

Tgt Ion: 112 Resp: 114266
Ion Ratio Lower Upper
112 100
114 30.9 22.7 42.3
77 57.7 49.1 73.7





#59

1,2,3-Trichloropropane

Concen: 0.819 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041673.D

Acq: 18 Dec 2020 12:39

Instrument :

MSVOA_U

ClientSampleId :

ETZB2MS

Tot Ion: 75 Resp: 5473

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#

